

**Appendix Table 1-4**

**Average mathematics assessment test scores of children who were in kindergarten for the first time during the 2010–11 school year and in first grade during the 2011–12 school year, by child and family characteristics**

Child and family characteristic	Academic year 2010–11		Academic year 2011–12		Net difference between fall 2010 and spring 2012
	Fall	Spring	Fall	Spring	
All children	29.3	42.0	51.5	64.0	34.7
Sex					
Male	29.4	42.0	51.6	64.6	35.2
Female	29.2	42.0	51.4	63.3	34.1
Race or ethnicity <sup>a</sup>					
White	31.7	44.6	54.4	67.5	35.8
Black	25.8	37.5	45.9	57.8	32.0
Hispanic <sup>b</sup>	24.7	37.8	47.4	58.7	34.0
Asian	34.5	46.0	56.0	68.1	33.6
American Indian or Alaska Native	26.3	40.2	48.1	62.0	1.7
Family poverty status in fall 2010 <sup>c</sup>					
Income below the federal poverty level	24.1	36.8	45.5	58.1	34.0
Income at or above 200% of the federal poverty level	33.3	45.9	55.6	67.9	34.6
Family type in fall 2010 <sup>d</sup>					
One-parent household	25.9	38.3	47.5	60.2	34.3
Two-parent household	30.6	43.4	52.8	65.5	34.9
Primary home language in fall 2010					
English	30.2	42.9	52.4	65.1	34.9
Not English	24.1	37.3	46.3	58.0	33.9
Parents' highest education in fall 2010 <sup>e</sup>					
Less than high school education	21.0	34.3	44.3	54.7	33.7
Graduate/professional school	35.7	48.1	58.7	70.3	34.6

<sup>a</sup> Other racial and ethnic groups are included in All children but are not shown separately in the table.

<sup>b</sup> Hispanic may be any race. American Indian or Alaska Native, Asian, black or African American, and white refer to individuals who are not of Hispanic origin.



<sup>c</sup> Poverty status is based on 2010 U.S. Census poverty thresholds, which identify incomes determined to meet household needs, given family size. For example, in 2010 a family of two was below the poverty threshold if its income was lower than \$14,220.

<sup>d</sup> Two parents includes two biological parents, two adoptive parents, and one biological/adoptive parent and one other parent/partner. One parent refers to one biological or adoptive parent only.

<sup>e</sup> The highest level of education achieved by either of the parents or guardians in a two-parent household or by the only parent or guardian in a single-parent household.

NOTE: Mathematics assessment scores range from 0 to 75 for kindergarteners and from 0 to 96 for first graders.

SOURCES: Mulligan GM, Hastedt S, McCarroll JC, *First-Time Kindergartners in 2010–11 : First Findings From the Kindergarten Rounds of the Early Childhood Longitudinal Study, Kindergarten Class of 2010–11 (ECLS-K:2011)*, NCES 2012-049 (2012); Mulligan GM, McCarroll JC, Flanagan KD, Potter D, *Findings From the First-Grade Rounds of the Early Childhood Longitudinal Study, Kindergarten Class of 2010–11 (ECLS-K:2011)*, NCES 2015-109 (2014).

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